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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/567,207	02/03/2006	Bi Ke	CN030024	9628
24737 7590 03/02/2010 PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510				
EXAMINER				
TRAN, TRANG U				
ART UNIT		PAPER NUMBER		
2622				
MAIL DATE		DELIVERY MODE		
03/02/2010		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/567,207

Applicant(s)

KE, BI

Examiner

Trang U. Tran

Art Unit

2622

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 5-15, 17 and 18 is/are allowed.
- 6) ☒ Claim(s) 1-4, 16, 19 and 20 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/22)
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: ____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____
- Paper No(s)/Mail Date: ____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-4 and 16 are rejected under 35 U.S.C. 102(b) as being anticipate by Jones, Jr. (US Patent No. 6,281,876 B1).

In considering claim 1, Jones, Jr. discloses all the claimed subject matter, note 1) the claimed real time generating character matrix information is met by the character generator 32 (Figs. 3-5, col. 3, line 4 to col. 4, line 27), and 2) the claimed displaying the character matrix information on the TV screen in a corresponding form of the character is met by the monitor 38 (Figs. 3-5, col. 3, line 4 to col. 4, line 27).

In considering claim 2, the claimed wherein the generating step comprises generating the matrix information by using a predetermined algorithm is met by the character generator 32 (Figs. 3-5, col. 3, line 4 to col. 4, line 27).

In considering claim 3, the claimed wherein the generating step comprises real time generating the matrix information by using a TV OSD software is met by the character generator 32 by using the OSD software (Figs. 3-5, col. 3, line 4 to col. 4, line 27).

Claim 4 is rejected for the same reason as discussed in claim 1 above.

Claim 16 is rejected for the same reason as discussed in claim 1 above and further the claimed a screen; and a screen character displaying apparatus is met by the monitor 38 (Figs. 3-5, col. 3, line 4 to col. 4, line 27).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 19-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yang (US Patent No. 5,627,564).

In considering claim 19, Yang discloses all the claimed subject matter, note 1) the claimed prompting optional items of the TV OSD pattern characteristic on the TV screen is met by the graphic menu display (Figs. 4A-4C, 5 and 6, col. 2, line 54 to col. 4, line 60), 2) the claimed accepting the selection and confirmation of an user for the TV OSD pattern characteristic is met by the enter key of the remote control (Figs. 4A-4C, 5 and 6, col. 2, line 54 to col. 4, line 60), and 3) the claimed writing-in the received confirmation information into a non-volatile storage of the TV is met by the counter memory 109 (Figs. 4A-4C, 5 and 6, col. 2, line 54 to col. 4, line 60).

However, Yang explicitly does not disclose the claimed the memory is a non-volatile storage. The capability using of the memory is a non-volatile storage is old and well known in the art. Therefore, the Official Notice is taken. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention to incorporate

the old and well known using of the memory is a non-volatile storage into Yang's system in order to save the data when the power turned off.

In considering claim 20, the claimed wherein said pattern characteristic comprises the using opportunity of the pattern; the type of the pattern; the color of the pattern; the shape of the pattern; the size of the pattern; the position on the screen of the pattern and the change characteristic of the pattern is met by the graphic menu display (the font address Add and position control) (Figs. 4A-4C, 5 and 6, col. 2, line 54 to col. 4, line 60 of Yang).

Allowable Subject Matter

5. Claims 5-15 and 17-18 are allowed.

The independent claims 5, 13 and 17-18 identifies the uniquely distinct features: "writing-in a predetermined pattern characteristic into a specific RAM of the TV; real time generating character matrix information in a predetermined pattern change sequence according to said pattern and character characteristics; and writing-in the generated character matrix information into a specific RAM of the TV, to make the TV OSD pattern consisting of the corresponding characters changing gradually on the TV screen". All the references of record, either singularly or in combination, fail to anticipate or render the above underlined limitations obvious.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Movshovich (US Patent No. 6,072,462) discloses technique for generating on-screen display characters using software implementation.

Murai et al. (US Patent No. 5,170,442) disclose character pattern transforming system.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trang U. Tran whose telephone number is (571) 272-7358. The examiner can normally be reached on 9:00 AM - 6:30 PM, Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lin Ye can be reached on (571) 272-7372. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

February 26, 2010

/Trang U. Tran/
Primary Examiner, Art Unit 2622

